

Title:

Wizard For Usage In Real-Time Aggregation
and Scoring in an Information Handling System

First Named Inventor:

Carr, Steven R.

Docket No.:

200316367-1

1/17

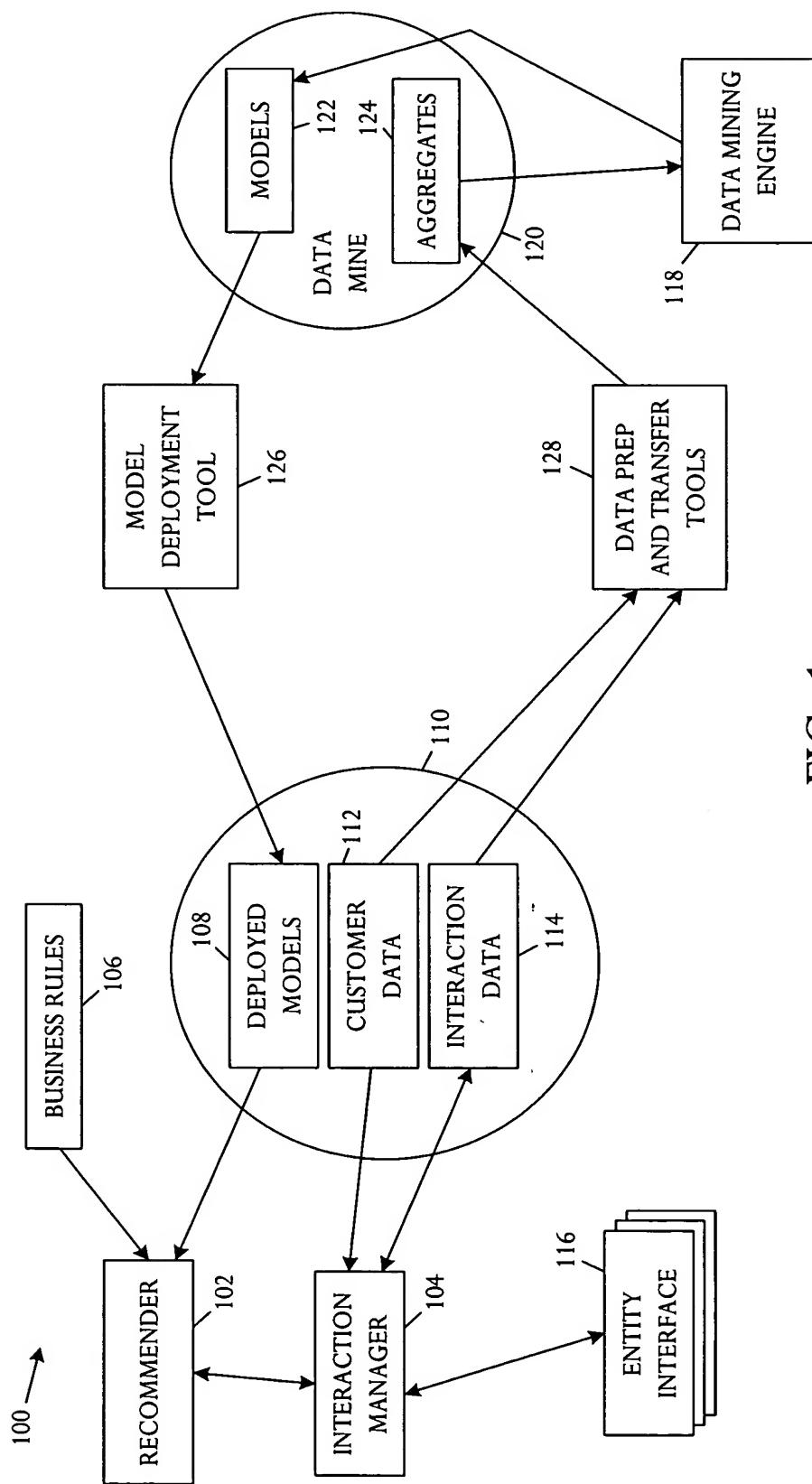


FIG. 1

Title:
First Named Inventor:
Docket No.:

Wizard For Usage In Real-Time Aggregation
and Scoring in an Information Handling System
Carr, Steven R.
200316367-1

2/17

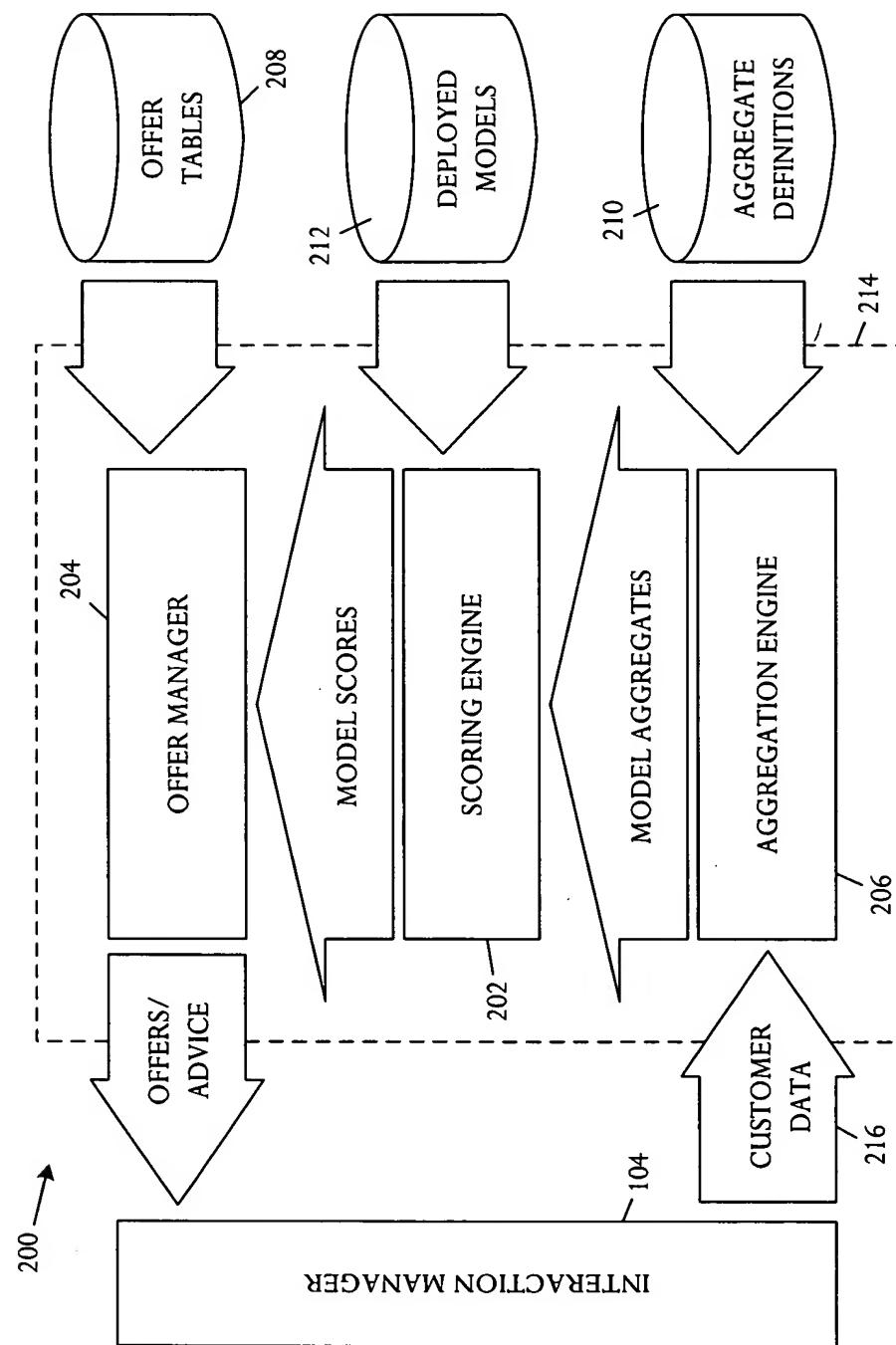


FIG. 2

Title:

Wizard For Usage In Real-Time Aggregation
and Scoring in an Information Handling System

First Named Inventor:

Carr, Steven R.

Docket No.:

200316367-1

3/17

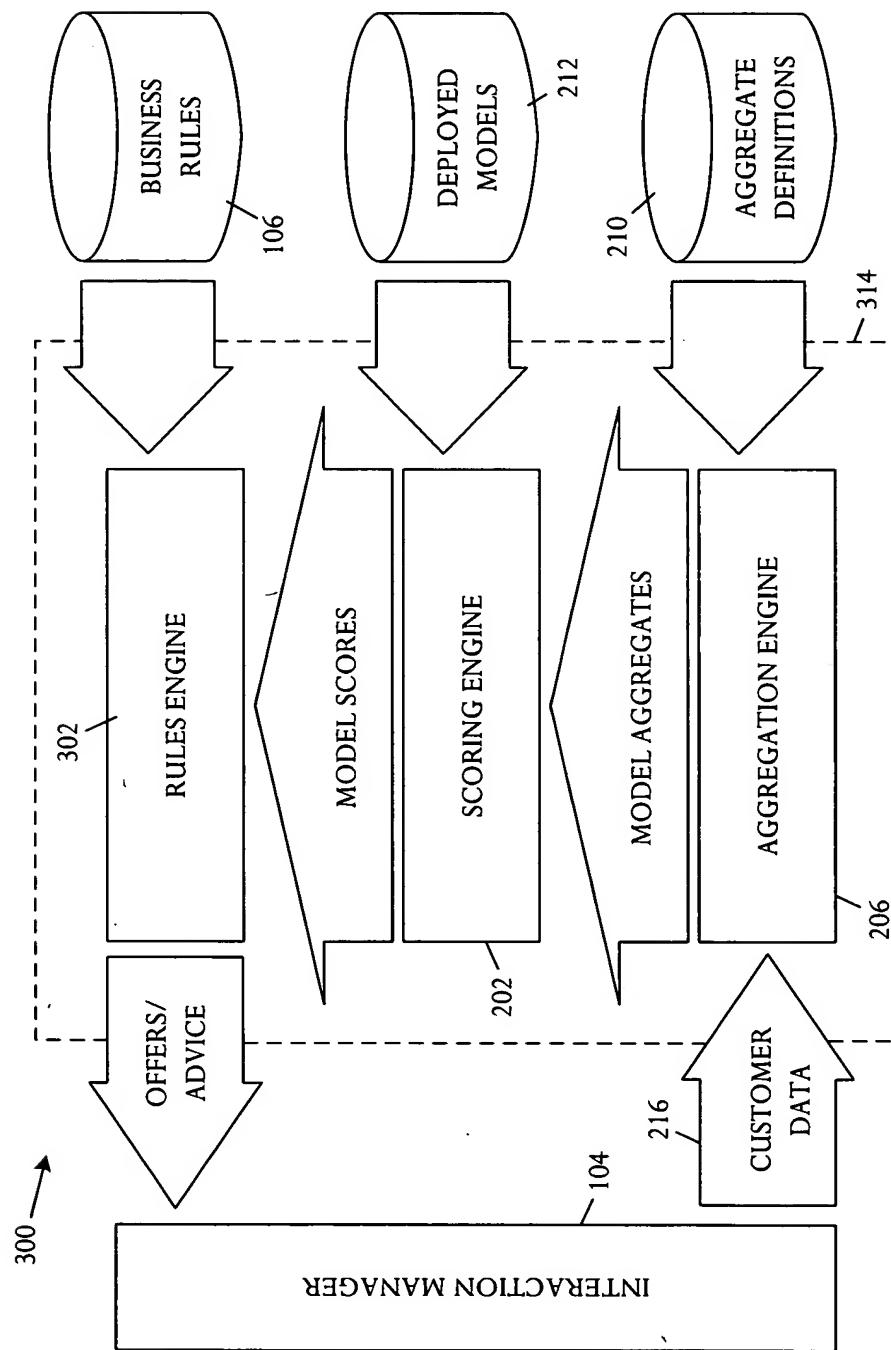


FIG. 3

4/17

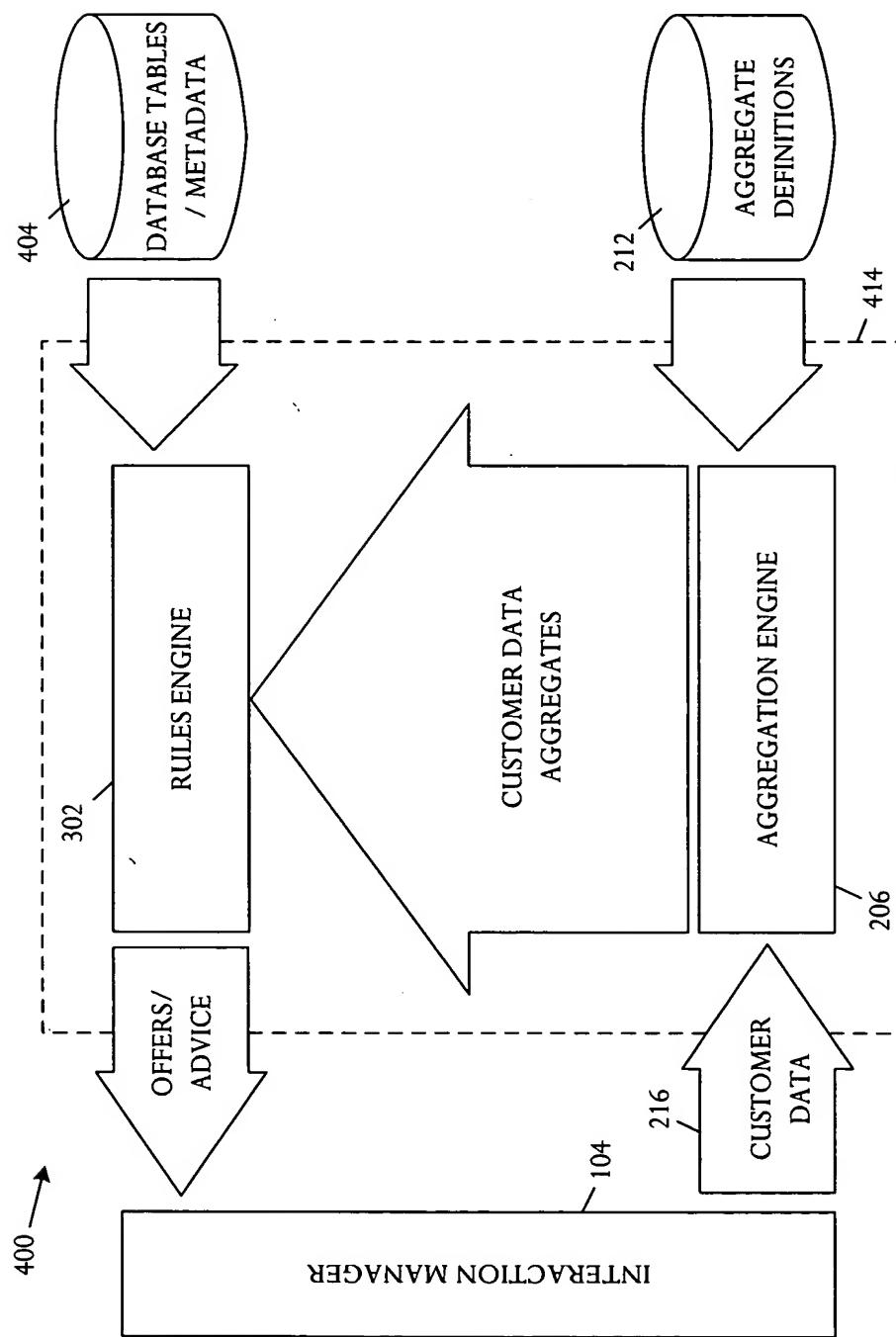


FIG. 4

Title:

Wizard For Usage In Real-Time Aggregation
and Scoring in an Information Handling System

First Named Inventor:

Carr, Steven R.

Docket No.:

200316367-1

5/17

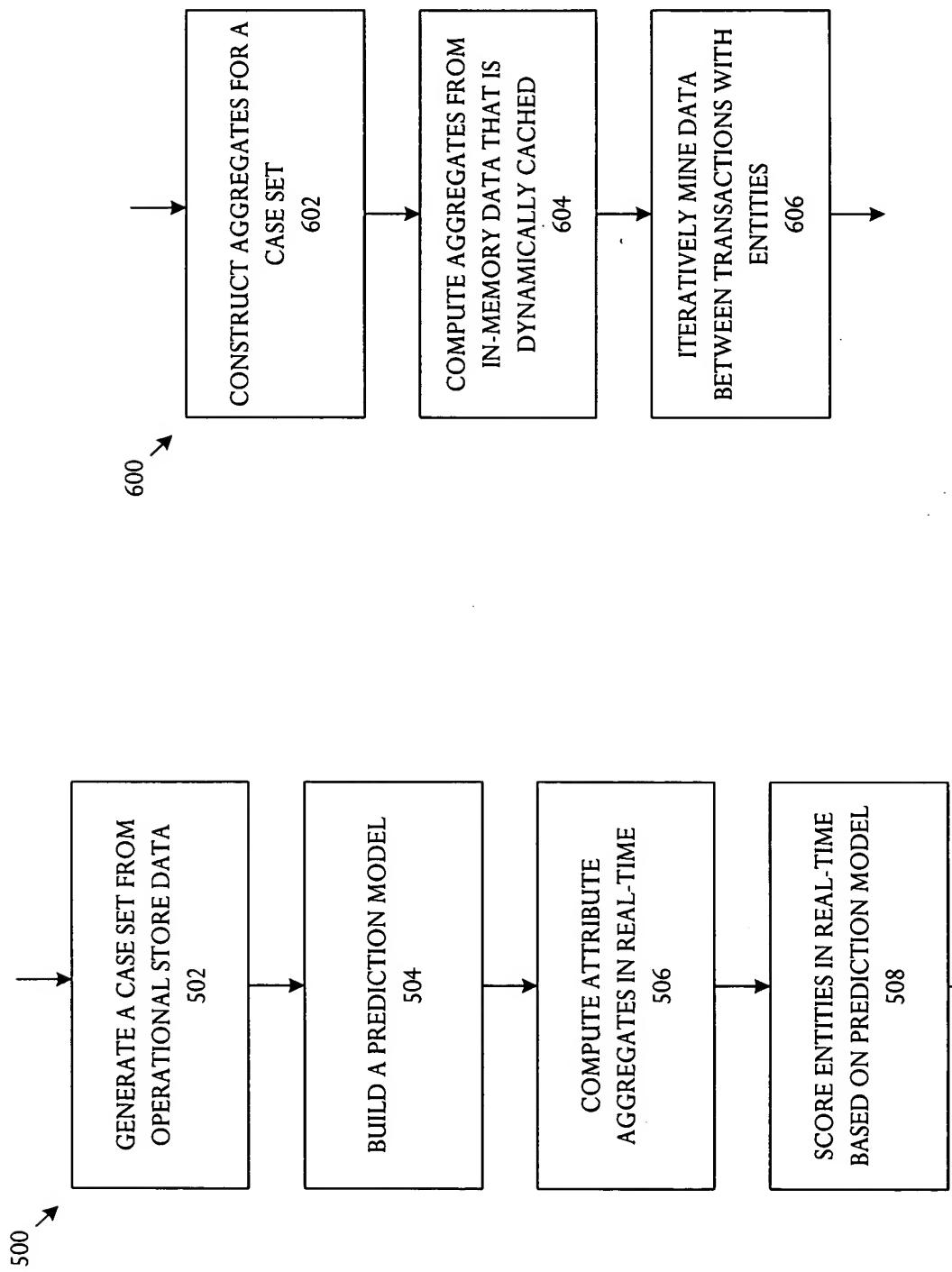


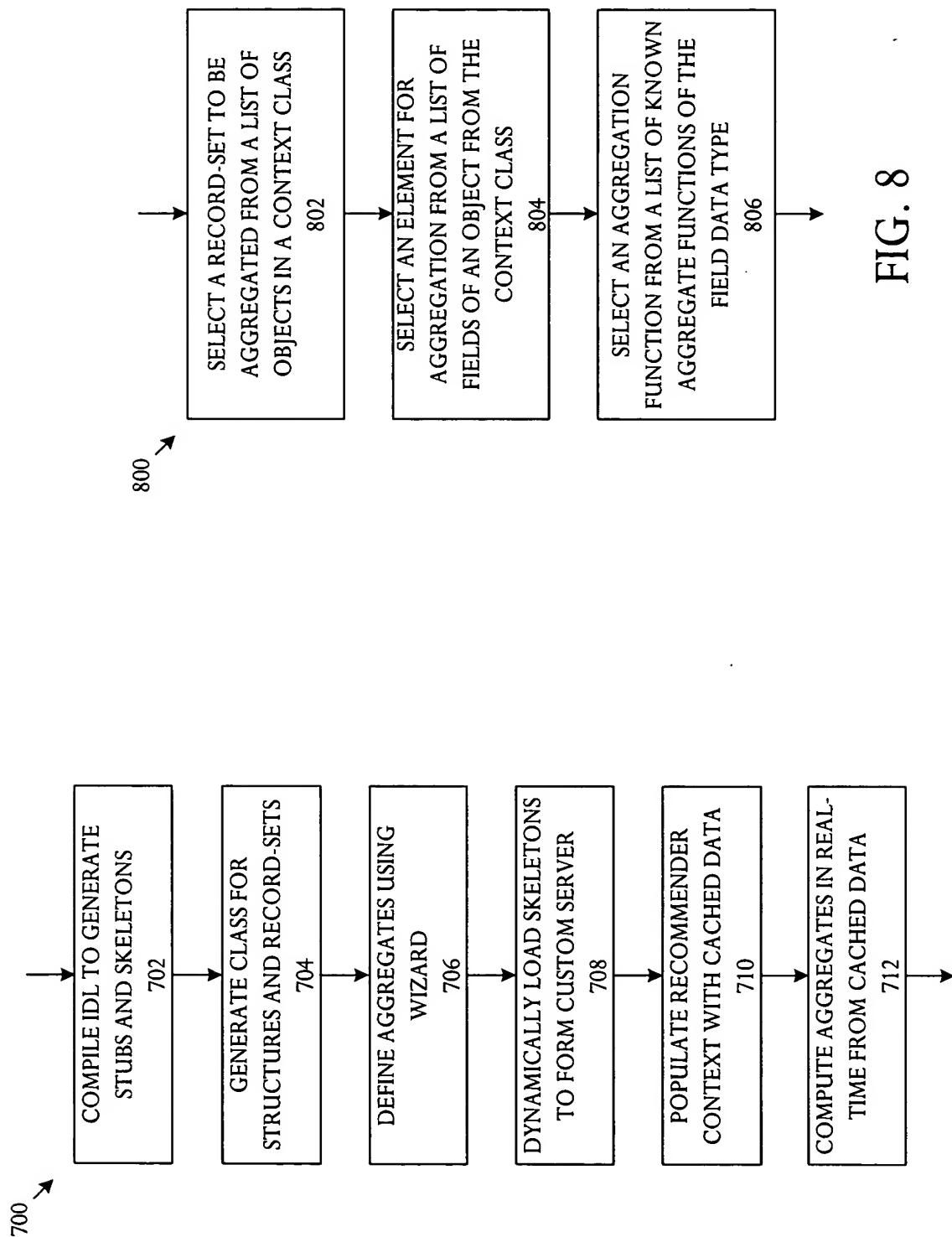
FIG. 5

FIG. 6

Title:

Wizard For Usage In Real-Time Aggregation
and Scoring in an Information Handling System
Carr, Steven R.
200316367-1

6/17



Title:

Wizard For Usage In Real-Time Aggregation
and Scoring in an Information Handling System

First Named Inventor:

Carr, Steven R.

Docket No.:

200316367-1

7/17

<input checked="" type="checkbox"/> Define aggregate storesRefunded	
Select element	
refundStoreID	
refunds	
Array refunds	
Conversions for java.lang.String	
Elements of retail.Refund	
purchaseAmount	
purchaseDate	
purchaseStoreID	
refundAmount	
refundDate	
refundStoreID	
<input type="button" value="Cancel"/>	<input type="button" value="Previous"/>
	<input type="button" value="Next"/>

<input checked="" type="checkbox"/> Define aggregate storesRefunded	
Select structure	
refunds	
Structures of retail.TotalCustomerView	
demographics	
nameAndAddress	
purchaseAggregates	
purchases	
refunds	
shoppingCart	
<input type="button" value="Cancel"/>	<input type="button" value="Next"/>

FIG. 9A

FIG. 9B

Title: Wizard For Usage In Real-Time Aggregation
and Scoring in an Information Handling System
First Named Inventor: Carr, Steven R.
Docket No.: 200316367-1

8/17

<input checked="" type="checkbox"/> Define aggregate storesRefunded
Select condition
CountDistinct
Array refunds
Element refundStoreID
Function CountDistinct
Elements of retail.Refund
<none>
purchaseAmount
purchaseDate
purchaseStoreID
refundAmount
refundDate
refundStoreID
<input type="button" value="Cancel"/>
<input type="button" value="Previous"/>
<input type="button" value="Next"/>

<input checked="" type="checkbox"/> Define aggregate storesRefunded
Select or type function
CountDistinct
Aggregate functions on
String
Count
CountDistinct
Max
Min
<input type="button" value="Cancel"/>
<input type="button" value="Previous"/>
<input type="button" value="Next"/>

FIG. 9C

FIG. 9D

Title: Wizard For Usage In Real-Time Aggregation
and Scoring in an Information Handling System
First Named Inventor: Carr, Steven R.
Docket No.: 200316367-1

9/17

Define aggregate storesRefunded

Select condition

refundAmount

Array refunds

Element refundStoreID

User Input

Function CountDistinct

Enter a value for refundAmount

50.00

OK Cancel

Elements of retail.Refund

<none>

purchaseAmount != > >= < <=

purchaseDate purchaseStoreID refundAmount refundDate refundStoreID

Cancel Previous Next

This screenshot shows a software interface for defining an aggregate named 'storesRefunded'. It includes a 'User Input' dialog box asking for a value for 'refundAmount' with the value '50.00' entered. Below the dialog, there's a list of elements from the 'retail.Refund' class: purchaseAmount, purchaseDate, purchaseStoreID, refundAmount, refundDate, and refundStoreID. Each element has associated operators: '=', '!=', '>', '>=' (highlighted in black), '<', and '<='.

FIG. 9E

Define aggregate storesRefunded

Select condition

refundAmount

Array refunds

Element refundStoreID

Function CountDistinct

Elements of retail.Refund

<none>

= != > >= < <=

purchaseAmount purchaseDate purchaseStoreID refundAmount refundDate refundStoreID

Cancel Previous Next

This screenshot shows a software interface for defining an aggregate named 'storesRefunded'. It includes a list of elements from the 'retail.Refund' class: purchaseAmount, purchaseDate, purchaseStoreID, refundAmount, refundDate, and refundStoreID. Each element has associated operators: '=', '!=', '>', '>=' (highlighted in black), '<', and '<='.

FIG. 9F

Title:

Wizard For Usage In Real-Time Aggregation and Scoring in an Information Handling System

First Named Inventor:

Carr, Steven R.

Docket No.:

200316367-1

10/17

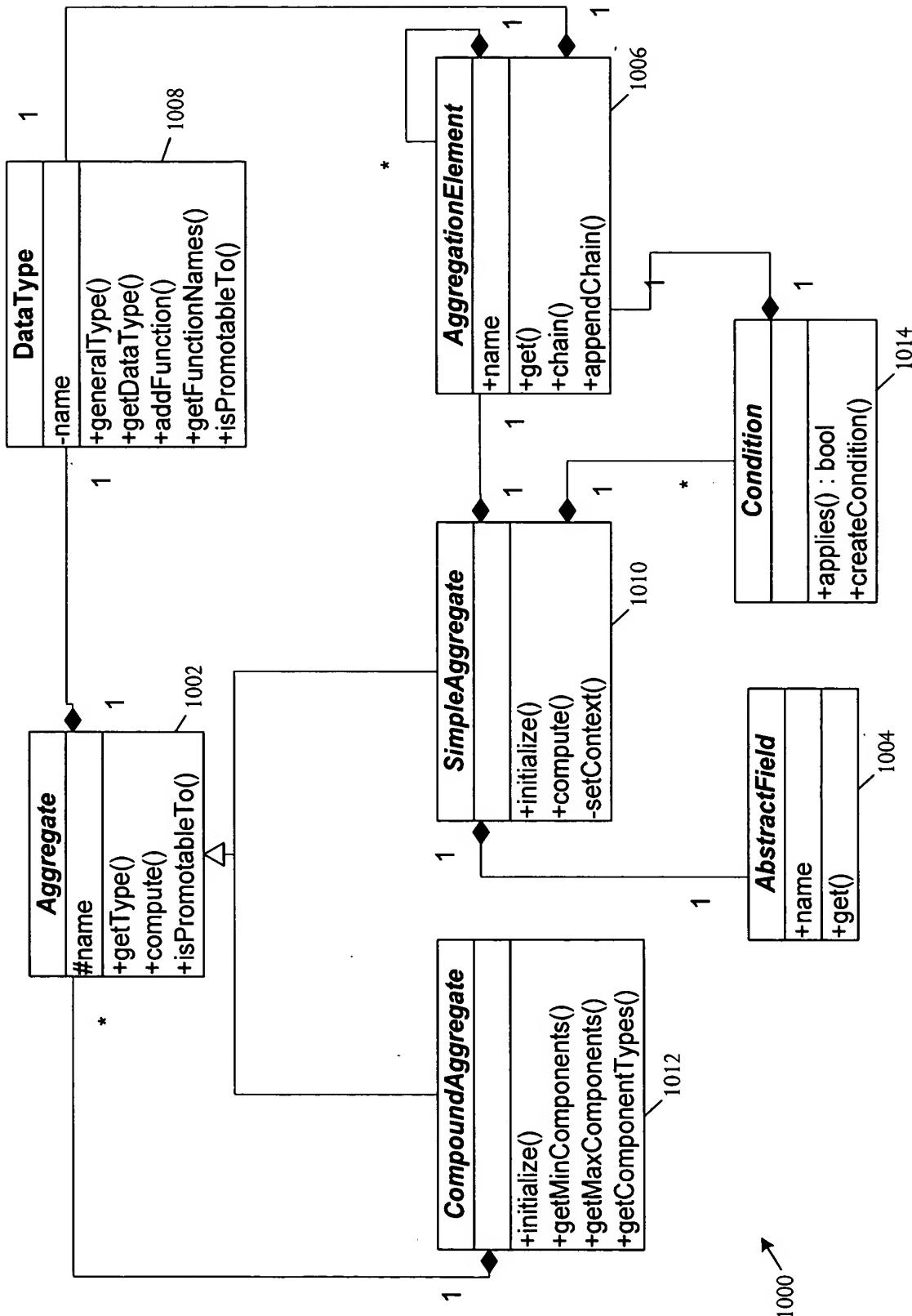


FIG. 10A

Title:

Wizard For Usage In Real-Time Aggregation
and Scoring in an Information Handling System

First Named Inventor:

Carr, Steven R.

Docket No.:

200316367-1

11/17

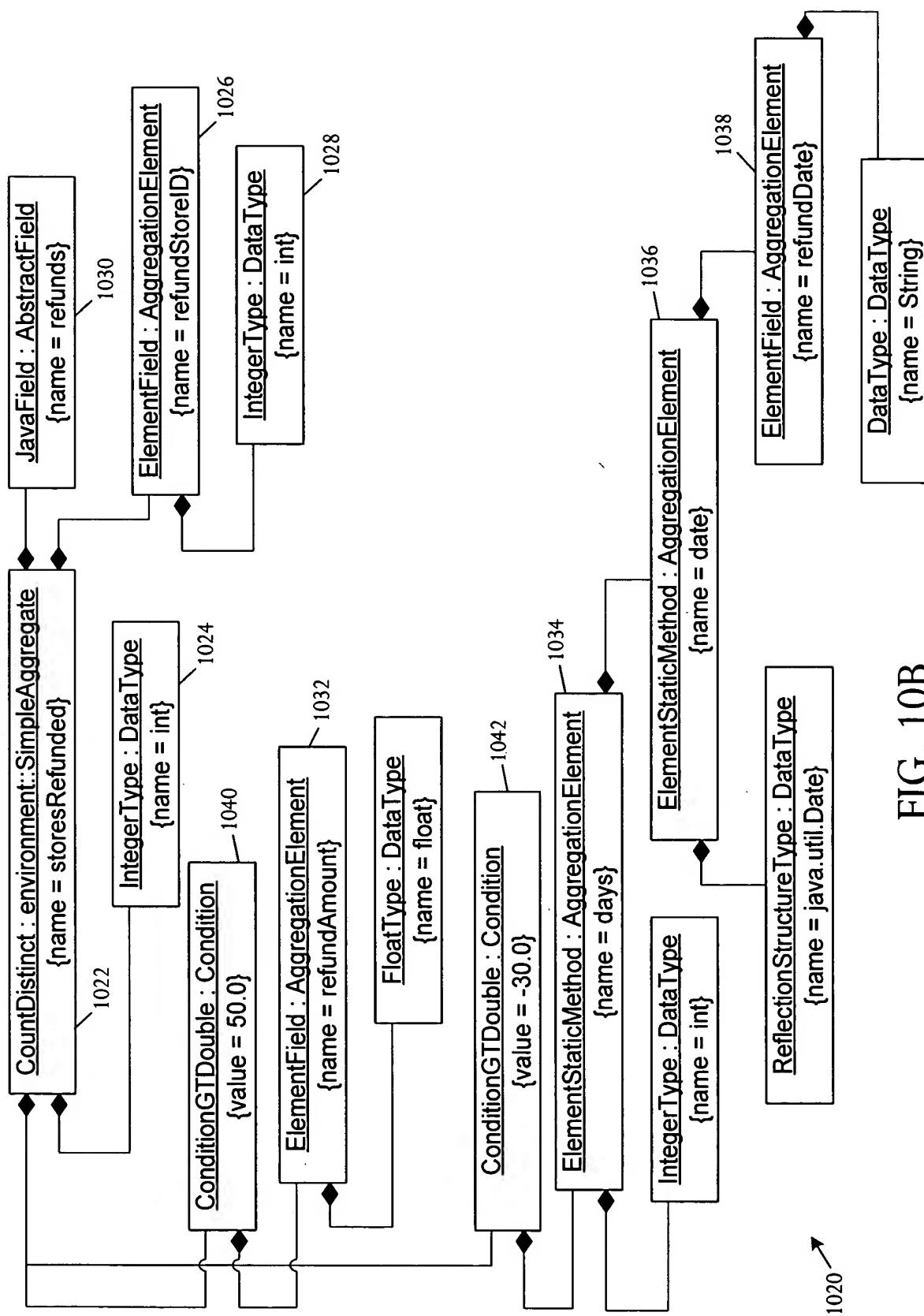


FIG. 10B

Title: Wizard For Usage In Real-Time Aggregation
 and Scoring in an Information Handling System
 First Named Inventor: Carr, Steven R.
 Docket No.: 200316367-1

12/17

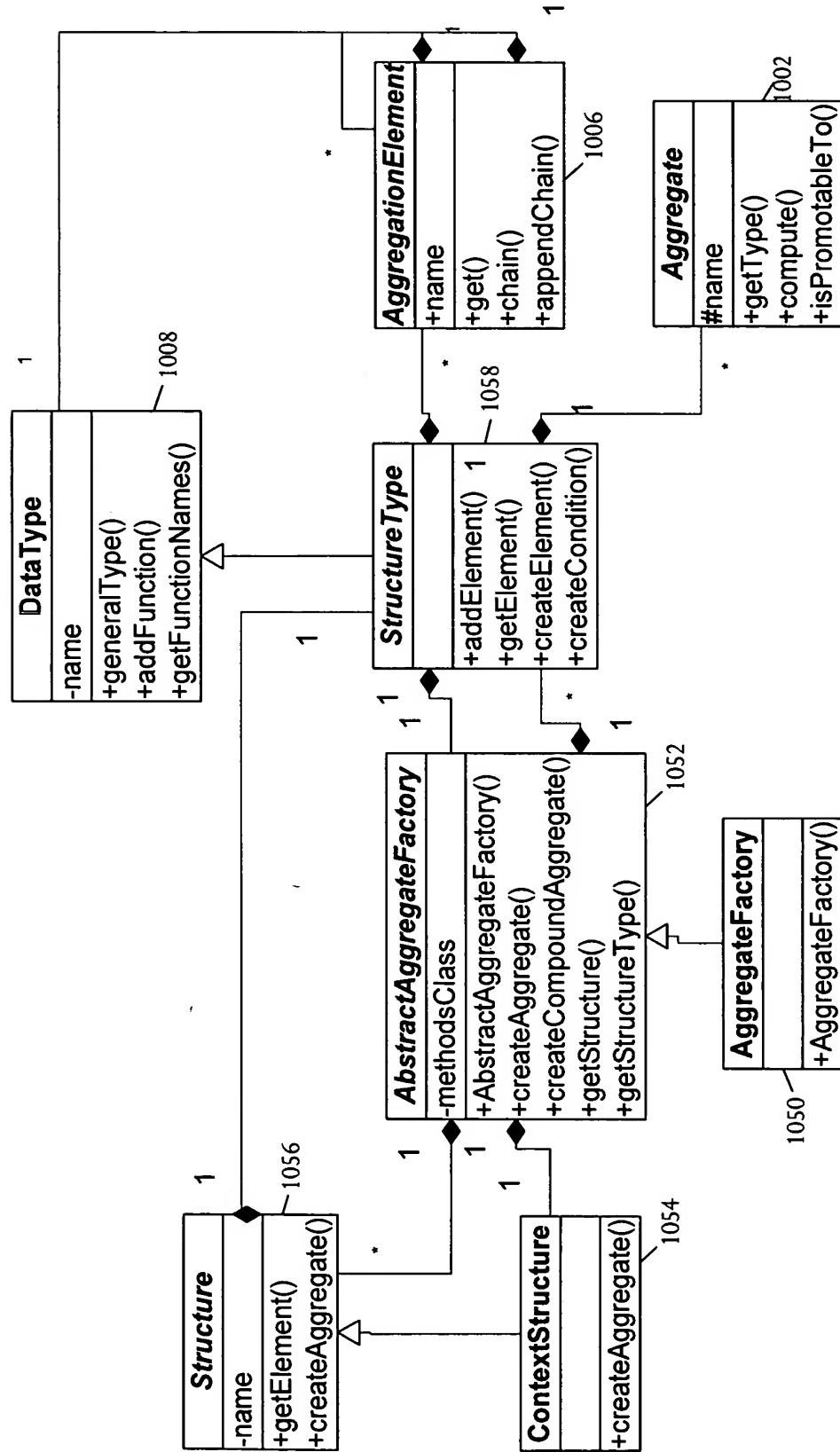


FIG. 10C

13/17

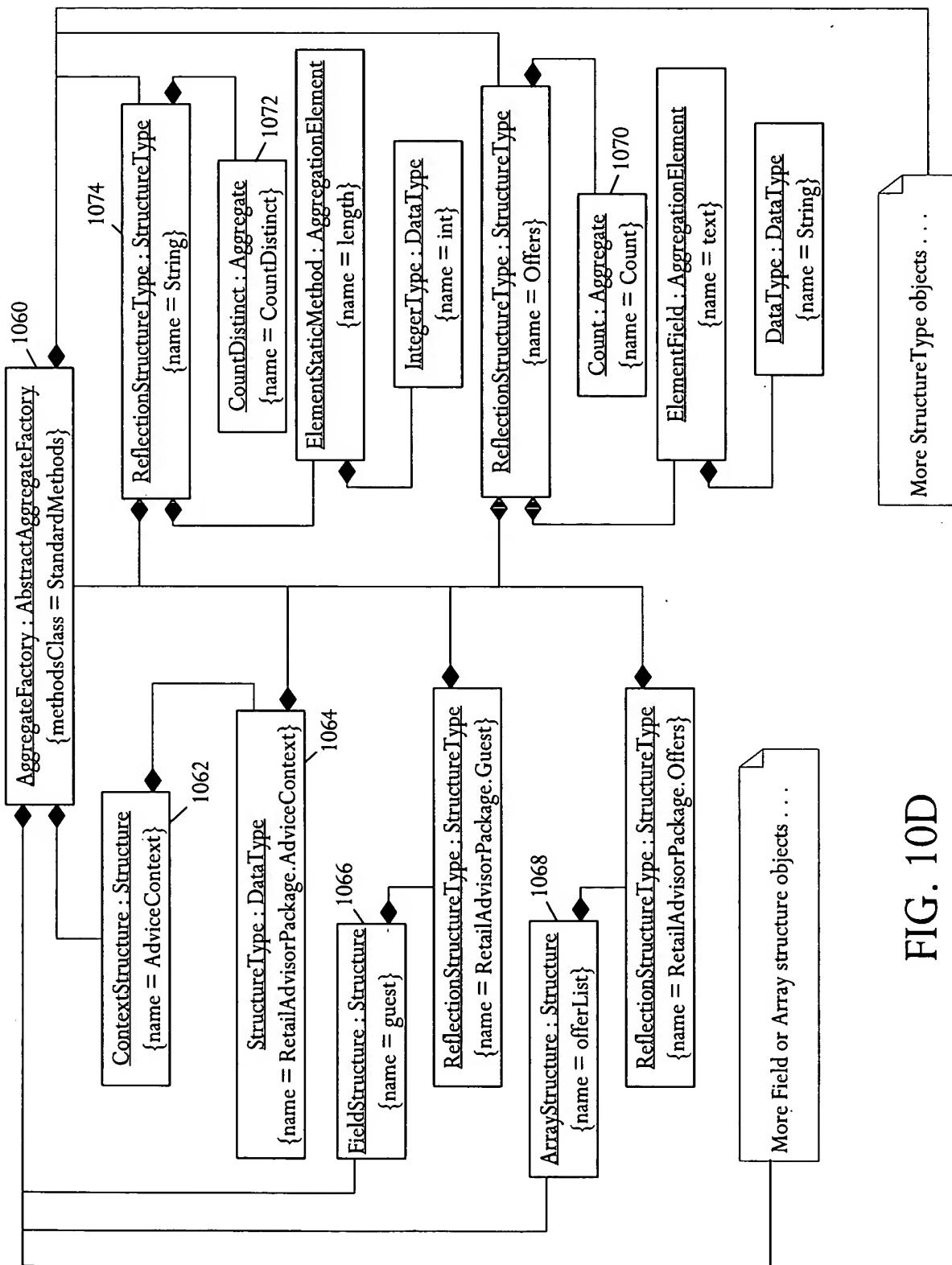


FIG. 10D

Title:

Wizard For Usage In Real-Time Aggregation
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First Named Inventor:

Carr, Steven R.

Docket No.:

200316367-1

14/17

<input checked="" type="checkbox"/> Define aggregate storesRefunded	
Select condition	
refundDate.date	
Array refunds	
Element refundStoreID	
Function CountDistinct	
Condition refundAmount>50.0	
Elements of retail.Refund	
Conversions & operators for java.util.Date	
<none>	purchaseAmount
	purchaseDate
	purchaseStoreID
	refundAmount
	refundDate
	refundStoreID
<input checked="" type="checkbox"/>	day
	days
	hours
	isWeekend
	minutes
	month
	seconds
<input type="checkbox"/>	Cancel
<input type="checkbox"/>	Previous
<input type="checkbox"/>	Next

<input checked="" type="checkbox"/> Define aggregate storesRefunded	
Select condition	
refundDate	
Array refunds	
Element refundStoreID	
Function CountDistinct -	
Condition refundAmount>50.0	
Elements of retail.Refund	
Conversions & operators for java.lang.String	
<none>	date
	=
	!=
	purchaseAmount
	purchaseDate
	purchaseStoreID
	refundAmount
	refundDate
	refundStoreID
<input type="checkbox"/>	Cancel
<input type="checkbox"/>	Previous
<input type="checkbox"/>	Next

FIG. 11A

FIG. 11B

Title:

Wizard For Usage In Real-Time Aggregation
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First Named Inventor:

Carr, Steven R.

Docket No.:

200316367-1

15/17

Define aggregate storesRefunded	<input checked="" type="checkbox"/>
Select condition	
refundDate.date.days	
Array refunds	
Element ref	<input type="checkbox"/> User Input
Function C	Enter value for refundDate.date.days
Condition	:30
Elements of retail.Refund	<input type="button" value="OK"/> <input type="button" value="Cancel"/>
<none>	date = != >= purchaseAmount purchaseDate purchaseStoreID refundAmount refundDate refundStoreID <input type="button" value="Cancel"/> <input type="button" value="Previous"/> <input type="button" value="Next"/>

FIG. 11C

Title:

Wizard For Usage In Real-Time Aggregation

and Scoring in an Information Handling System

Carr, Steven R.

First Named Inventor:

Docket No.:

200316367-1

16/17

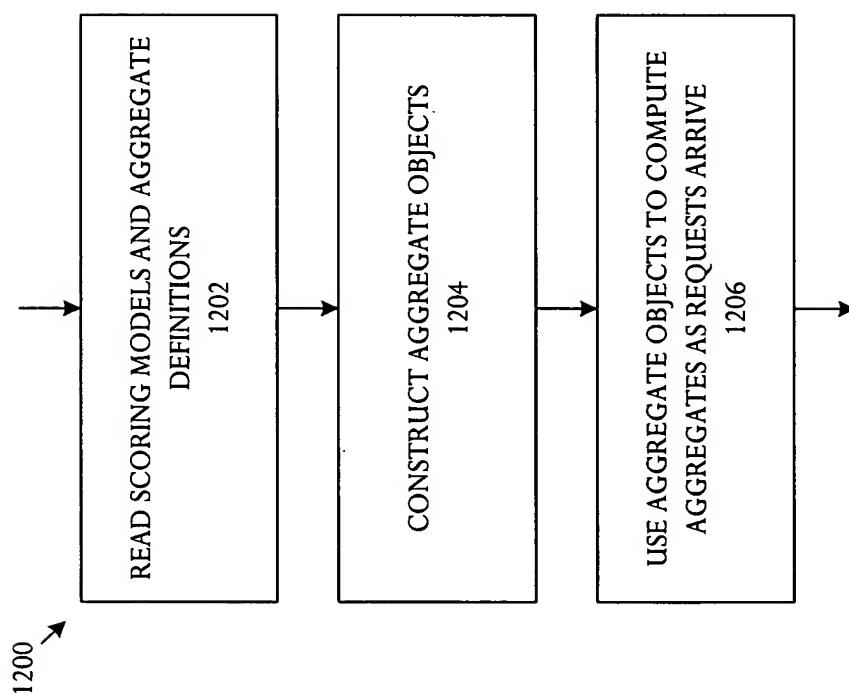


FIG. 12

Title:

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First Named Inventor:

Carr, Steven R.

Docket No.:

200316367-1

17/17

<input checked="" type="checkbox"/> Define aggregate purchasesVariance
Select or type function
Variance
Array purchases
Element numberOfItems
Aggregate functions on int
Count CountDistinct Max Mean Min Sum Variance
<input type="button"/> Cancel <input type="button"/> Previous <input type="button"/> Next

FIG. 13A

<input checked="" type="checkbox"/> Define aggregate purchaseAmountVariance
Select or type function
Variance
Array purchases
Element amount
Aggregate functions on double
Count CountDistinct Max Mean Min Sum
<input type="button"/> Cancel <input type="button"/> Previous <input type="button"/> Next

FIG. 13B